

I. Amendments to the Claims

Please amend the claims as follows with the following version of the claims in accordance with revised 37 CFR § 1.121.

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1. (Currently Amended) A method of processing a document object model (DOM) tree having a tag located at a given node in the tree, comprising the steps of:

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upon encountering the tag, passing given information to a method in a tag handler, wherein the tag handler is registered in a tag library, wherein the tag library contains one or more elements defining tags, wherein an element defining the tag contains an attribute for the tag handler that processes an instance of the tag;

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having the method generate a string;  
parsing the string into a new DOM tree; and  
replacing the given node and any child nodes with the new DOM tree.

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2. (Original) The method as described in Claim 1 wherein the new DOM tree has a root node positioned at the given node in the tree.

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3. (Original) The method as described in Claim 1 wherein the given information is a text string.

4. (Original) The method as described in Claim 3 wherein the text string is a representation of XML in the DOM tree at the given node and any child nodes of the given node.

5. (Original) The method as described in Claim 4 wherein the string generated by the method is XML.

5 6. (Original) The method as described in Claim 1 wherein the given information is the given node.

7. (Canceled)

10 8. (Original) The method as described in Claim 1 wherein the tag is a marker that initiates invocation of a handler.

9. (Currently Amended) A method of processing a document object model (DOM) tree having a tag located at a given node in the tree, comprising the steps of:

5 upon encountering the tag, generating a first string that is a representation of XML in the DOM tree at the given node and any child nodes of the given node;

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10 passing the first string to a method in a tag handler,  
wherein the tag handler is registered in a tag library,  
wherein the tag library contains one or more elements defining  
tags, wherein an element defining the tag contains an  
attribute for the tag handler that processes an instance of  
the tag;

having the method generate an XML string;

15 parsing the XML string into a new DOM tree having a root node; and

replacing the given node and any child nodes with the new DOM tree, wherein the root node of the new DOM tree is positioned at the given node in the tree.

10. (Currently Amended) A method of processing a document object model (DOM) tree having a tag located at a given node in the tree, comprising the steps of:

upon encountering the tag, passing the given node to a  
5 method in a tag handler, wherein the tag handler is registered  
in a tag library, wherein the tag library contains one or more  
elements defining tags, wherein an element defining the tag  
contains an attribute for the tag handler that processes an  
instance of the tag;

10 having the method generate an XML string;

parsing the XML string into a new DOM tree having a root node; and

replacing the given node and any child nodes with the new DOM tree, wherein the root node of the new DOM tree is

15 positioned at the given node in the tree.

11. (Currently Amended) A method of processing a document object model (DOM) tree having a plurality of custom tags, comprising the steps of:

- 5 (a) processing the DOM tree to locate a custom tag;
- (b) upon encountering a custom tag at a given node in the tree:
- 10 (i) passing given information to a method in a tag handler, wherein the tag handler is registered in a tag library, wherein the tag library contains one or more elements defining tags, wherein an element defining the tag contains an attribute for the tag handler that processes an instance of the tag;
- (ii) having the method generate a string;
- (iii) parsing the string into a new DOM tree; and
- 15 (iv) replacing the given node and any child nodes with the new DOM tree; and
- (c) repeating steps (a)-(b).

12. (Original) The method as described in Claim 11 wherein the given information is a text string.

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13. (Original) The method as described in Claim 12 wherein the text string is a representation of XML in the DOM tree at the given node and any child nodes of the given node.

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14. (Original) The method as described in Claim 11 wherein the given information is the given node.

15. (Currently Amended) A computer program product in a computer-readable medium for processing a document object model (DOM) tree having a tag located at a given node in the tree, comprising:

5 means for processing the document object model tree to locate the tag;

means responsive to locating the tag for passing given information to a method in a tag handler, wherein the tag handler is registered in a tag library, wherein the tag  
10 library contains one or more elements defining tags, wherein an element defining the tag contains an attribute for the tag handler that processes an instance of the tag;

means for parsing a string returned from the method into a new DOM tree; and

15 means for replacing the given node and any child nodes with the new DOM tree.

16. (Original) The computer program product as described in Claim 15 wherein the means for passing given information  
20 includes means for generating a text representation of XML in the DOM tree at the given node and any child nodes of the given node.

17. (Original) The computer program product as described  
25 in Claim 16 wherein the given information is the text representation.

18. (Original) The computer program product as described in Claim 15 wherein the means for passing given information passes the given node directly to the method.

5 19. (Original) The computer program product as described in Claim 15 wherein the string returned from the method is an XML string.

20. (Currently Amended) A computer program product in a computer-readable medium for processing a document object model (DOM) tree having a plurality of custom tags, comprising:

5 means for processing the DOM tree to locate a custom tag;  
means responsive to locating each custom tag at a given node in the tree for (a) passing given information to a method in a tag handler, wherein the tag handler is registered in a tag library, wherein the tag library contains one or more  
10 elements defining tags, wherein an element defining the tag contains an attribute for the tag handler that processes an instance of the tag; (b) parsing a string returned from the method into a new DOM tree; and (c) replacing the given node and any child nodes with the new DOM tree.

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